

Next 3 Page(s) In Document Exempt

ILLEGIB

~~TOP SECRET~~

S-10429

A0004295

Copy 105
25 Pages

RMS
LIT
1 December 1963

EVALUATIONS OF SOVIET SURFACE-TO-SURFACE MISSILE DEPLOYMENT

10TH REVISION

A Report of the Deployment Working Group
of the
Guided Missiles and Astronautics Intelligence Committee

Declass Review by NIMA/DOD

~~TOP SECRET~~

GROUP I
Excluded from automatic
downgrading and declassification

TOP SECRET

Z

**EVALUATIONS OF SOVIET
SURFACE-TO-SURFACE
MISSILE DEPLOYMENT**

10TH REVISION

A Report of the Deployment Working Group

of the

Guided Missiles and Astronautics Intelligence Committee

A0004295

1 December 1963

TOP SECRET

TOP SECRET

A0004295

3

GUIDED MISSILES AND ASTRONAUTICS INTELLIGENCE COMMITTEE

25X1A

DEPLOYMENT WORKING GROUP

MEMBERSHIP

25X1A

NOTE: All correspondence relative to this report should be directed to the Chairman, Guided Missiles and Astronautics Intelligence Committee (GMAIC).

- iii -

TOP SECRET

TOP SECRET

A0004295

CONTENTS

	Page
INTRODUCTION	1
Table 1. Summary of Estimated Status of Identified ICBM and MRBM/IRBM Launchers at De- ployed Complexes	8
Table 2. Summary Evaluation of Soviet ICBM De- ployment	9
Table 3. Summary Evaluation of Soviet MRBM/ IRBM Deployment	12

ILLUSTRATIONS

	Page
Figure 1. Deployment of Soviet ICBM Com- plexes	Facing 1
Figure 2. Typical Configurations of ICBM Launch Sites, and Explanation of Types	2
Figure 3. Suspect Installation at Yedrovo	3
Figure 4. Deployment of Soviet MRBM/IRBM Complexes	4
Figure 5. Typical Configurations of MRBM/IRBM Launch Sites	6
Figure 6. Fixed Field-Type MRBM Sites	7
Figure 7. Possible MRBM Training Site, Sovetskaya Gavan	7

- v -

TOP SECRET

TOP SECRET

A0004295

PREFACE

This report, formerly published bimonthly by the GMAIC Deployment Working Group (DWG) in mimeograph form, has been expanded to include additional data. It will continue to be published bimonthly in this new format.

Dissemination of the report was previously limited to holders of the DWG report, Soviet Surface-to-Surface Missile Deployment. Because the information contained herein is both supplemental and self-sustaining, distribution will no longer be limited to holders of the above report.

The current format provides a comprehensive, ready reference listing of all ICBM, IRBM, and MRBM deployment locations, types of site configurations, photographic references, estimated construction and operational status, and other evaluations of the DWG. Additional data may be added to future revisions.

TOP SECRET

A0004295

~~TOP SECRET~~

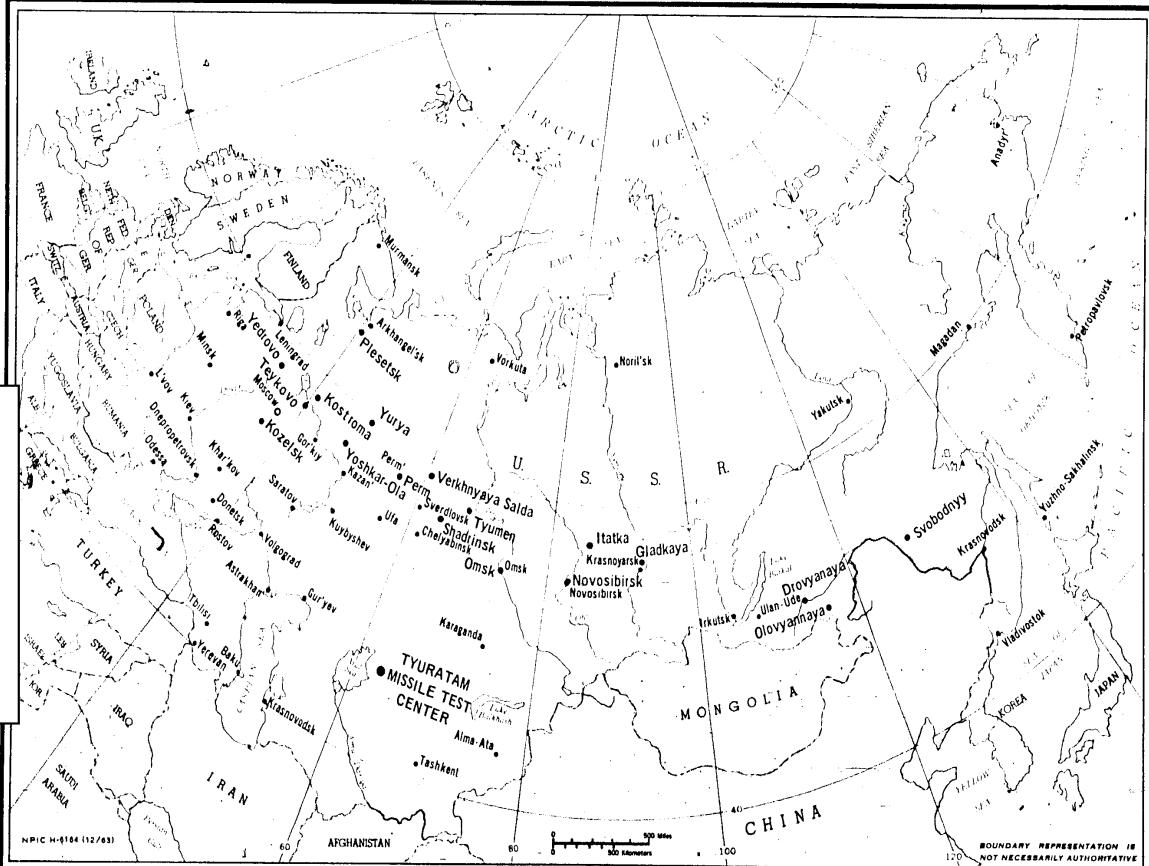


FIGURE 1. DEPLOYMENT OF SOVIET ICBM COMPLEXES.

TOP SECRET

A0004295

PREFACE

This report, formerly published bimonthly by the GMAIC Deployment Working Group (DWG) in mimeograph form, has been expanded to include additional data. It will continue to be published bimonthly in this new format.

Dissemination of the report was previously limited to holders of the DWG report, Soviet Surface-to-Surface Missile Deployment. Because the information contained herein is both supplemental and self-sustaining, distribution will no longer be limited to holders of the above report.

The current format provides a comprehensive, ready reference listing of all ICBM, IRBM, and MRBM deployment locations, types of site configurations, photographic references, estimated construction and operational status, and other evaluations of the DWG. Additional data may be added to future revisions.

TOP SECRET

A0004295

~~TOP SECRET~~

25

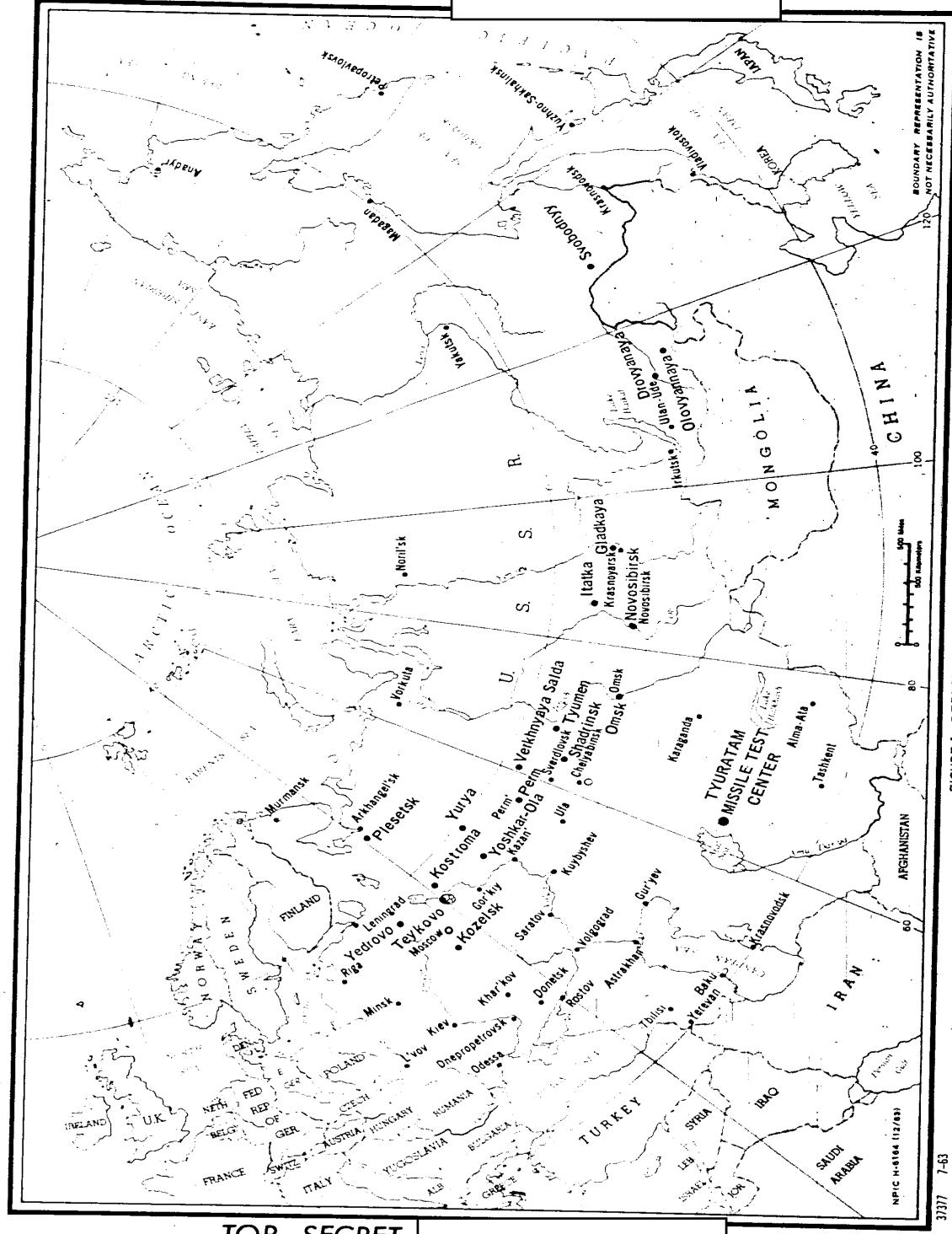


FIGURE 1. DEPLOYMENT OF SOVIET ICBM COMPLEXES.

37377 7-63

TOP SECRET

TOP SECRET

A0004295

INTRODUCTION

This report is the tenth revision of Evaluations of Soviet Surface-to-Surface Missile Deployment prepared by the Deployment Working Group of the Guided Missiles and Astronautics Intelligence Committee. The ninth revision, dated 1 October 1963 and disseminated under control number A-0003752, should be destroyed in accordance with existing instructions for handling [redacted] material.

25X1D

[redacted]
and continuing analysis of previous missions have provided additional information on the Soviet ballistic missile deployment program. The new data are reflected in the estimates and operational status shown in Tables 2 and 3. Cut off date for this report is 15 November 1963.

SOVIET ICBM DEPLOYMENT

At the 18 ICBM complexes, three new hard sites, two new soft sites, one possible site, and one suspect site of undetermined type at Yedrovo have been added. These newly identified ICBM sites raise the total number of confirmed and probable deployed sites to 100 (224 launchers), and 3 sites in the possible category. All of the possible sites are in very early stages of construction and it is not yet possible to make a firm evaluation. Of the 224 launchers, almost 150 are considered to be operational. See Figure 1 for locations of deployed ICBM complexes.

The number of operational launchers may be somewhat smaller than indicated in Table 1 because the lack of recent photography has made it difficult to determine the exact month of completion of many of these sites. Most Type IID sites were started in a relatively short period of time after [redacted], and many of these sites should be completed in the [redacted] time period. Therefore, we have [redacted]

25X1D

25X1D

25X1D

TOP SECRET

25X1D
included most of these Type IID as being operational on [redacted]

The ICBM sites have been designated by types for the purpose of standardization, as shown and explained in Figure 2.

The new ICBM launch sites are located at the following complexes:

GLADKAYA
Launch Site D (5), Possible, Type undetermined

KOSTROMA
Launch Site H (8), Probable, Type IIIA

OLOVYANNAYA
Launch Site C (3), Probable, Type IIIA

TEYKOVO
Launch Site F (6), Type IID
Launch Site G (7), Type IID

YEDROVO
Launch Site H (9), Type IIIA
Launch Site I (3), see page 3.

Developments at Type IIC Sites

As reported previously, no new sites of this type have been identified since [redacted]. The last photographic coverage of Tyumen was obtained in [redacted] when Launch Site B was reported as INACTIVE while construction continued at the other two sites. All Type IIC sites have been assessed as complete and operational except Launch Site B at Tyumen.

25X1

25X1A

Next 1 Page(s) In Document Exempt

25X1B

TOP SECRET

25X1

A0004295

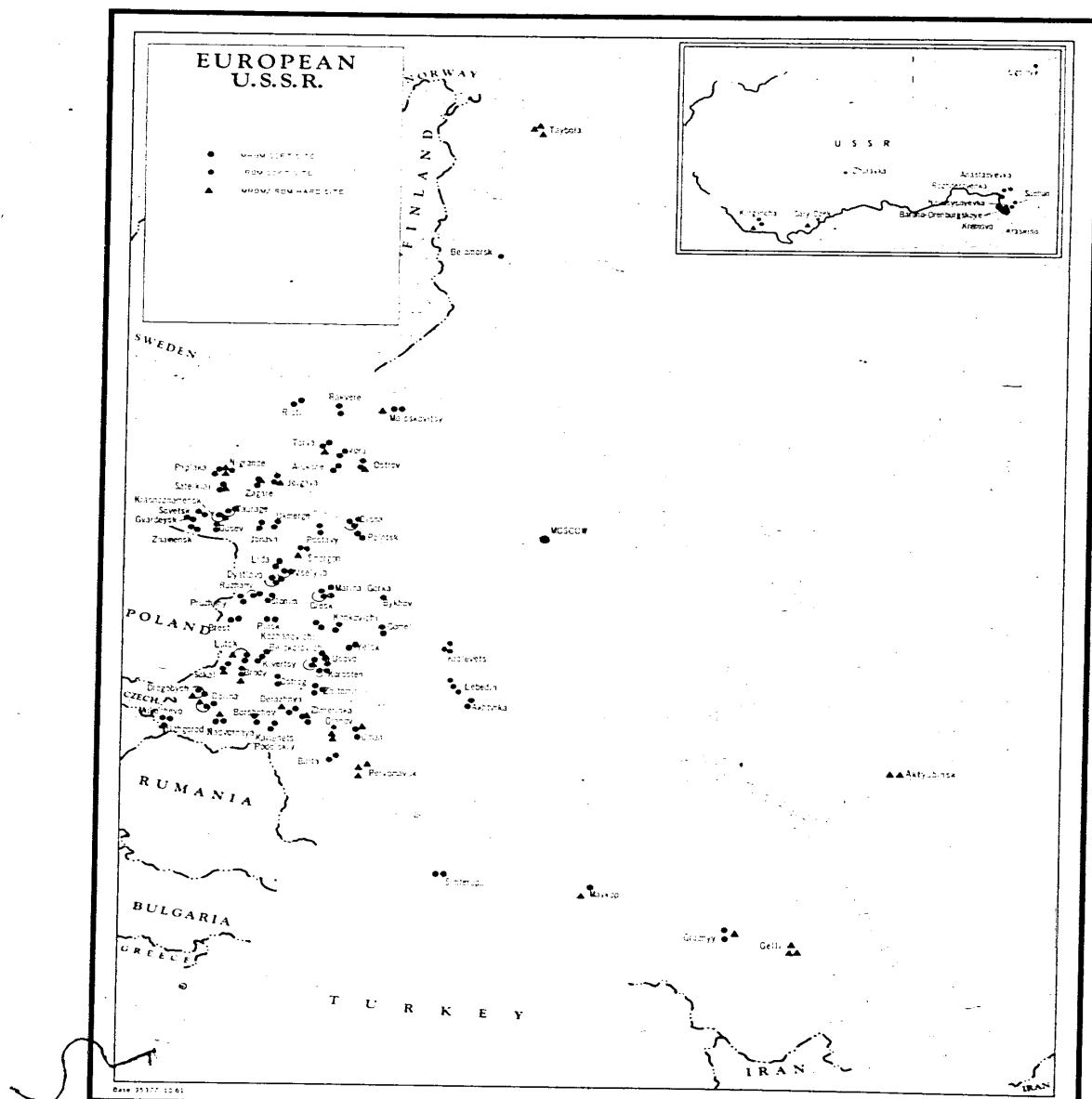


FIGURE 4. DEPLOYMENT OF SOVIET MRBM/IRBM COMPLEXES.

- 4 -

TOP SECRET

TOP SECRET

A0004295

25X1D

3. Photo interpretation, to some members, indicates that the cleared area and the elements therein appear basically identical when comparing [redacted]. Further, many buildings have been removed from the support area for this installation in later photographic coverage.

4. It is believed that the Soviets may have intended to build an ICBM site at this location; however, all photo evidence indicates that construction ceased and the site was never completed.

25X1D



25X1D SOVIET MRBM/IRBM DEPLOYMENT

No new operational sites were identified on

[redacted] However, reevaluation of the Kremovo MRBM complex has resulted in the judgment that a probable soft launch site is located at Kremovo and Lyalichi, respectively.

Both sites are considered complete. Photo-

25X9



Fixed Field-Type MRBM Sites



in [redacted] near the Anastasyevka complex. Subsequently, seven additional sites have been identified, and all but one are in the vicinity of confirmed MRBM complexes. These sites (Figure 6) generally consist of from one to four launch pads, each in a cleared area. Existing roads have been utilized as approaches to the sites and minor improvements, particularly on turns, have been made. Support facilities have not been identified at the field-type sites. The eight fixed field-type sites identified to date, and the MRBM complexes with which they are associated, are as follows:

Anastasyevka (Anastasyevka Complex)

48-32-15N 135-31-45E - 4 Pads

Gelvonai (Ukmerge Complex)

55-07-15N 24-43-45E - 1 Pad

Khmelnitskiy (Derazhnya Complex)

49-25-00N 27-06-30E - 2 Pads

Sivtsy (Postavy Complex)

55-09-30N 26-52-45E - 1 Pad

Smargon (Smargon Complex)

54-34-45N 26-21-30E - 2 Pads

Tulskaya (Maykop Complex)

44-31-15N 40-14-15E - 3 Pads and 1 Prob Pad

Vainode (probably abandoned) (Nigrande Complex)

56-28-15N 21-51-00E - 2 Pads

Yarmolintsy (None)

49-12-00N 26-46-45E - 4 Pads

TOP SECRET

Approved For Release 2004/05/12 : CIA-RDP78T05439A000300050043-0

25X1B

Approved For Release 2004/05/12 : CIA-RDP78T05439A000300050043-0

TOP SECRET

A0004295
25X1D



FIGURE 6. FIXED FIELD-TYPE MRBM SITES.

25X1D

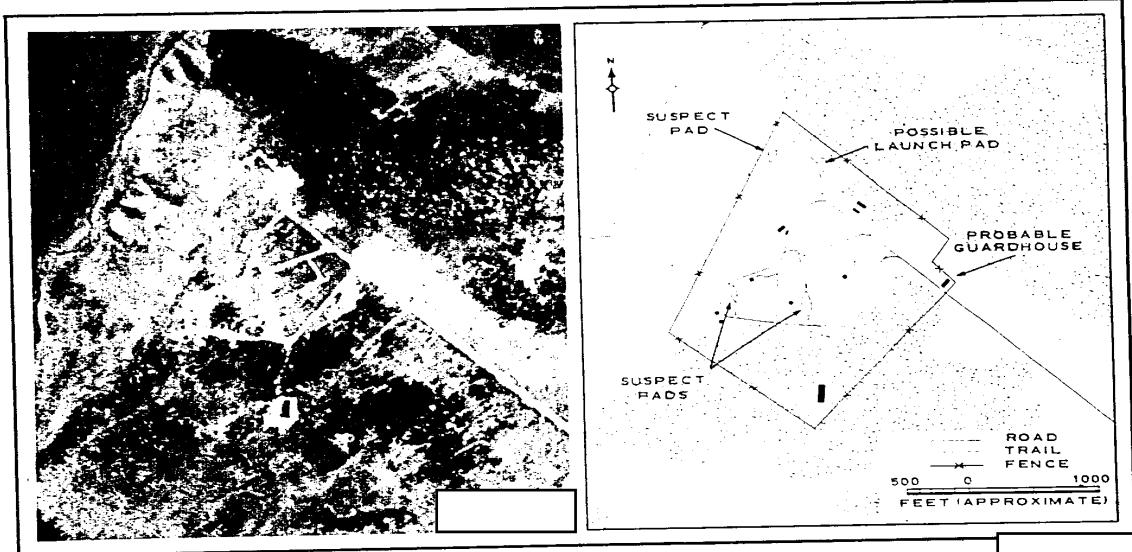
Possible MRBM Training Site, Sovetskaya Gavan

25X1A.

25X1D

All originated in the Sovetskaya Gavan area, but [redacted] coverage failed to reveal any identifiable launch area from which the missiles could have been launched. [redacted] however,

revealed a possible launch facility (Figure 7) near the Sovetskaya Gavan/Vanino Airfield. Backtracks of several of the missile firings terminate in the vicinity of this installation. This secured facility consists of an irregular road pattern and contains one possible and three suspect pads. This facility was not present on



25X1D

FIGURE 7. POSSIBLE MRBM TRAINING SITE, SOVETSKAYA GAVAN.

TOP SECRET

TOP SECRET

A0004295

25X1D

25X1D

25X1D

25X1D

[redacted] photography of [redacted] and first appeared on [redacted] coverage of [redacted]
 [redacted] The site is located about 900 miles from the Kamchatka impact area. We are tentatively evaluating this facility as a training site.

MRBM/IRBM Hard Sites

Our analysis to determine the number of launch silos at hard MRBM/IRBM sites is near-

ing completion and will be discussed in the [redacted]
 [redacted] revision of this publication. Meanwhile, we are continuing to carry two launchers at both MRBM and IRBM hardsites. Additionally,

*TABLE 1. SUMMARY OF ESTIMATED STATUS OF IDENTIFIED ICBM AND MRBM/IRBM LAUNCHERS AT DEPLOYED COMPLEXES**

Type	Sites	Launchers	Operational	U/C	Type	Sites	Launchers	Operational	U/C
ICBM									
I	3	4	4	0	I	54	336	336	0
II A	5	10	10	0	II	53	212	212	0
II B	29	58	58	0	III	14	56	56	0
II C	8	16	14	2	IV (MRBM)	21	42	40	2
II D	29	58	36	22	IV (IRBM)	20	40	24	16
III A	22	66	24	42	TOTAL	192	686	668	18
III B	4	12	0	12					
TOTAL	100	224	146	78					
MRBM/IRBM									

*See Tables 2 and 3 for details. Figures include a third launch silo at Type III ICBM sites.

8

TOP SECRET

TOP SECRET

A0004295

TABLE 2. SUMMARY EVALUATION OF SOVIET ICBM DEPLOYMENT

Location *	BE Number	Coordinates	Type of Site	Number of Launchers	Site Negotiated		First Coverage		Latest Coverage		Stage of Construction			Estimated Quarter Site Operational			Estimated Status
					Soft	Hard	Date	Mon	Date	Mon	Date	Mon	Const	1st	2nd	3rd	4th
DROYVANAYA																	
Site A (1)		51-21N 113-00E	II B	2													
Site B (2)		51-23N 113-01E	III A	3													
Site C (3)		51-29N 113-01E	II D	2													
Site D (4)		51-28N 113-01E	II D	2													
Site E (5)		51-22N 112-50E	III A	3													
Site F (6)		51-19N 112-53E	III A	3													
GLADKAYA																	
Site A (3)		56-20N 92-20E	II D	2													
Site B (2)		56-22N 92-25E	II D	2													
Site C (4)		56-30N 91-58E	III A	3													
Site D (5) Possible		56-29N 92-13E	Undet														
ITATKA																	
Site A (1)		56-58N 85-33E	II B	2													
Site B (2)		57-01N 85-39E	II B	2													
Site C (3)		56-54N 85-39E	II D	2													
KOSTROMA																	
Site A (1)		58-02N 41-21E	II B	2													
Site B (2)		58-02N 41-07E	II B	2													
Site C (3)		57-59N 41-09E	II B	2													
Site D (4)		58-03N 41-40E	II B	2													
Site E (5)		57-51N 41-13E	III A	3													
Site F (6)		57-53N 41-09E	II D	2													
Site G (7) Probable		58-06N 41-31E	II D	2													
Site H (8) Probable		58-03N 41-33E	III A	3													
KOZELSK																	
Site A (3)		53-54N 35-44E	II C	2													
Site B (2)		53-48N 35-47E	II C	2													
Site C (1)		53-46N 35-41E	II B	2													
Site D (4)		53-52N 35-51E	II C	2													
Site E (5)		53-51N 35-41E	II B	2													
Site F (6)		53-41N 35-39E	II B	2													
NOVOSIBIRSK																	
Site A (2)		55-10N 63-10E	II B	2													
Site B (1)		55-12N 63-01E	III A	3													
Site C (3)		55-23N 62-56E	III A	3													
Site D (4)		55-21N 63-14E	II D	2													
OLOVYANNAYA																	
Site A (1)		50-54N 115-40E	III A	3													
Site B (2)		50-55N 115-44E	III A	3													
Site C (3) Probable		51-01N 115-57E	III A	3													
OMSK																	
Site A (1)		55-09N 73-35E	III B	2													
Site B (3) Possible		55-11N 73-33E	Undet														
PERM																	
Site A (1)		57-41N 56-13E	II B	2													
Site B (2)		57-42N 55-57E	II B	2													
Site C (3)		57-37N 56-07E	II B	2													

25X1A

25X1D

25X1

A0004293

TOP SECRET

TOP SECRET

TABLE 2. (Continued)

Location*	BE Number	Coordinates	Type of Site	Number of Launchers	Site Negotiated		First Coverage		Latest Coverage		Stage of Const on Last Usable Coverage		Estimated Quarter Site Operational		Estimated Status			
					Soft	Hard	Date	M-n	Date	M-n	Date	M-n	Date	M-n	Const	1st	2nd	3rd
PERM (Continued)																		
Site D (5)		57-43N 55-49E	II D	2														
Site E (6)		57-45N 56-00E	II D	2														
Site F (4)		57-41N 56-04E	III A	3														
PLESETSK																		
Site 1 (1)		62-55N 40-27E	I	2														
Site 2 (2)		62-56N 40-32E	I	1														
Site 3 (3)		62-57N 40-41E	I	1														
Site A (4)		62-58N 40-47E	II A	2														
Site B (5)		63-03N 40-58E	II B	2														
Site C (6)		63-01N 40-52E	III A	3														
Site D (6)		62-53N 40-50E	II C	2														
Site E (7)		62-50N 40-35E	II C	2														
SHADIRINSK																		
Site A (1)		56-09N 63-52E	III A	3														
Site B (2)		56-10N 64-03E	III A	3														
Site C (3)		56-07N 63-57E	III A	3														
SVORODONYY																		
Site A (3)		51-55N 126-10E	II B	2														
Site B (1)		51-49N 126-19E	II B	2														
Site C (2)		51-53N 126-23E	II B	2														
Site D (4)		52-00N 126-06E	II D	2														
Site E (6)		51-43N 126-00E	II D	2														
Site F (5)		51-52N 126-13E	II D	2														
TEYKOVO																		
Site A (1)		56-53N 40-27E	II B	2														
Site B (2)		56-50N 40-35E	II B	2														
Site C (3)		56-55N 40-17E	II B	2														
Site D (4)		56-58N 40-40E	II D	2														
Site E (5)		56-48N 40-16E	II D	2														
Site F (6)		56-54N 40-22E	II D	2														
Site G (7)		56-46N 40-02E	II D	2														
TYUMEN																		
Site A (3)		56-52N 65-35E	II C	2														
Site B (1)		56-48N 65-38E	II C	2														
Site C (2)		56-51N 65-28E	II C	2														
VERKHNYAYA SALI																		
Site A (2)		58-09N 60-16E	II B	2														
Site B (1)		58-06N 60-22E	II A	2														
Site C (3)		58-10N 60-28E	II A	2														
Site D (4)		58-12N 60-34E	II B	2														
Site E (5)		58-14N 60-54E	II B	2														
Site F (7)		58-14N 60-41E	III A	3														
Site G (6)		58-13N 60-49E	III A	3														
Site H (9)		58-05N 60-13E	II D	2														
Site I (10)		58-07N 60-33E	II D	2														
YEDROVO																		
Site A (2)		57-48N 33-36E	II B	2														
Site B (1)		57-48N 33-14E	II B	2														
Site C (3)		57-49N 33-09E	II D	2														

25X1A

25X1D

TOP SECRET

A0004295

TABLE I. (Continued)

Location*	BE Number	Coordinates	Type of Site	Number of Launchers	Site Negotiated		First Coverage		Latest Coverage		Stage of Const on Last Usable Coverage		Estimated Quarter Site Operational				Estimated Status	
					Soft	Hard	Date	Mon	Date	Mon	Date	Mon	Date	Mon	Cont	1st	2nd	3rd
VEDROVO																		
Site D (1)		57-48N 33-29E	II D	2														
Site E (8)		57-52N 33-17E	III A	3														
Site F (6)		57-43N 33-06E	II D	2	21													
Site G (7)		57-47N 33-02E	II D	2														
Site H (9)		57-49N 33-08E	III A	3														
Site I (3)		57-52N 33-27E																
Trade-determined																		
YOSHKAR-OLO																		
Site A (1)		56-35N 48-10E	II B	2														
Site B (2)		56-35N 48-18E	II B	2	21													
Site C (3)		56-32N 48-25E	II B	2														
Site D (1)		56-32N 48-19E	II D	2														
Site E (5)		56-31N 48-14E	II D	2	21													
Site F (6)		56-31N 48-22E	II D	2														
YURYA																		
Site A (2)		59-09N 49-33E	II A	2														
Site B (1)		59-08N 49-41E	II A	2	21													
Site C (3)		59-12N 49-25E	II B	2														
Site D (4)		59-15N 49-21E	II B	2	21													
Site E (5)		59-22N 49-17E	III A	3														
Site F (7)		59-21N 49-13E	II B	2														
Site G (6)		59-04N 49-52E	III A	3														
Site H (8)		59-11N 49-16E	II D	2	21													
Site I (11)		59-20N 49-33E	II D	2	21													
Site J (9)		59-06N 49-13E	II D	2														
Site K (10)		59-13N 49-19E	III A	3														
Possible																		
SUB TOTALS					100		116		78									
TYURATAM																		
Complex A (1a)		45-55N 63-20E	I	1														
Complex A2 (1b)		45-55N 63-20E	I	1														
Complex B (2)		45-55N 63-33E	I	1														
Complex C1 (3a)		45-48N 63-39E	II	1														
C2 (3b)		45-48N 63-39E	II	1														
C3 (3c)		45-48N 63-39E	II	1														
Complex D1 (4a)		45-58N 63-57E	III A	3														
D2 (4b)		45-59N 63-57E	III	3														
Complex E (6)		45-58N 63-12E	II C	3														
Complex F (5)		46-02N 63-06E	III B Prototype	3														
Complex G1 (7a)		46-03N 62-56E	Undet	2														
G2 (7b)		46-03N 62-56E	Undet	2														
Complex H (8)		45-50N 63-12E	Undet	2														
TOTALS					111		161		87									

*TDI site designators are indicated in parentheses.

1/ See Introduction, page 3.

25X1A

25X1D

25X

TOP SECRET

A0004295

25X1D

25X1A

TABLE 3. SUMMARY EVALUATION OF SOVIET MRBM IRBM DEPLOYMENT

LOCATION*	BE NUMBER	COORDINATES	TYPE	NO. OF PADS LAUNCHERS	DATE OF LATEST PHOTOGRAPHY	ESTIMATED CONSTR. STATUS	
AKHTYRKA Launch Complex							
Launch Site No 1 (AKHTYRKA 1)		50-15-45N 34-50-15E	II	4		Complete	
Launch Site No 2 (AKHTYRKA 2)		50-22-00N 34-57-15E	II	4		Complete	
ALUKSNE Launch Complex							
Launch Site No 1 (LEJASCIEMS)		57-21-15N 26-44-45E	II	4		Complete	
Launch Site No 2 (RUSKI)		57-25-15N 26-50-00E	II	4		Complete	
Launch Site No 3 (LEJASCIEMS 2)		57-43-00N 26-33-30E	IV	2		Complete	
ANASTASYEVKA Launch Complex							
Launch Site No 1 (ANASTASYEVKA 1)		48-35-00N 135-38-45E	II	4		Complete	
Launch Site No 2 (ANASTASYEVKA 2)		48-36-45N 135-41-30E	II	4		Complete	
AKTYUBINSK Launch Complex							
Launch Site No 1 (KARAKHOUDA 1)		49-57-45N 56-51-15E	IV	2		Early	
Launch Site No 2 (PETROVSKY 1)		50-00-30N 56-58-15E	IV	2		Mid	
BALTA Launch Complex							
Launch Site No 1 (BALTA 1)		48-01-45N 29-33-30E	II	4		Complete	
Launch Site No 2 (BALTA 2)		48-07-45N 29-34-30E	II	4		Complete	
BARANO-ORENBURGSKOYE Complex							
Launch Site No 1 (SOFIYE ALEXSEYEVSKOYE)		44-15-30N 131-23-00E	I	4		Complete	
Launch Site No 2 (BARANO ORENBURGSKOYE)		44-19-45N 131-30-15E	I	4		Complete	
BELOKOROVICHI Launch Complex							
Launch Site No 1 (OLEVSK 1)		51-08-45N 28-03-30E	I	4		Complete	
Launch Site No 2 (OLEVSK 2)		51-10-30N 28-00-15E	I	4		Complete	
Hard Launch Site (RUDNYA ZLOTINSKAYA)		51-01-30N 28-07-00E	IV	2		Complete	
BELOMORSK Launch Complex							
Launch Site No 1 (RAMOYE)		64-26-15N 34-18-15E	III	2		Complete	
BOIRUCHIV Launch Complex							
Launch Site No 1 (SKALA PODOLSKAYA 1)		48-51-00N 26-08-30E	I	4		Complete	
Launch Site No 2 (SKALA PODOLSKAYA 2)		48-53-45N 26-03-30E	I	4		Complete	
BREST Launch Complex							
Launch Site No 1 (BREST 1)		51-49-00N 24-01-00E	II	4		Complete	
Launch Site No 2 (BREST 2)		51-51-45N 24-01-45E	II	4		Complete	
BRODY Launch Complex							
Launch Site No 1 (BRODY 2)		50-13-45N 25-05-00E	I	4		Complete	
Launch Site No 2 (BERESTECHKO)		50-20-15N 25-05-30E	I	4		Complete	
Hard Launch Site (BRODY 1)		50-06-00N 25-12-00E	IV	2		Complete	
BYKHOV Launch Complex							
Launch Site No 1 (POSSIBLE) (SLEDYUKI)		53-41-30N 30-20-30E	II	4		Complete	
DERAZHINYA Launch Complex							
Launch Site No 1 (DERAZHINYA 1)		49-21-00N 27-26-30E	II	4		Complete	
Launch Site No 2 (DERAZHINYA 2)		49-26-30N 27-29-00E	II	4		Complete	
Hard Launch Site (KHmelNITSKIY)		49-24-45N 27-08-45E	IV	2		Complete	
DISNA Launch Complex							
Launch Site No 1 (DISNA 1)		55-35-15N 28-15-45E	I	4		Complete	
Launch Site No 2 (ZELKI)		55-36-00N 28-21-50E	I	4		Complete	
Launch Site No 3 (BOLEKOVICH)		55-42-00N 28-27-45E	II	4		Complete	
DOLINA Launch Complex							
Launch Site No 1 (DOLINA 1)		49-04-00N 24-03-30E	I	4		Complete	
Launch Site No 2 (DOLINA 2)		49-06-15N 24-08-30E	I	4		Complete	
Hard Launch Site (BOLEKHOV)		49-06-45N 23-51-15E	IV	2		Complete	

TOP SECRET

TOP SECRET

25X1D

25X1A

TABLE I. (Continued)

LOCATION*	BE NUMBER	COORDINATES†	TYPE	NO. OF PADS LAUNCHERS	DATE OF LATEST PHOTOGRAPHY	ESTIMATED CONST. STATUS
DROGOBYCH Launch Complex						
Launch Site No 1 (MEDVENTSA)		49-22-00N 23-45-30E	I	4		Complete
Launch Site No 2 (DROGOBYCH)		49-21-15N 23-34-15E	I	4		Complete
Hard Launch Site (STRY)		49-16-30N 23-43-00E	IV	2		Complete
DYATLOVO Launch Complex						
Launch Site No 1 (DYATLOVO)		53-33-00N 25-16-30E	I	4		Complete
Launch Site No 2 (BEREZOVKA)		53-35-30N 25-17-45E	I	4		Complete
Launch Site No 3 (ZHILYANY)		53-36-12N 25-26-30E	II	4		Complete
GELLI Launch Complex						
Hard Launch Site No 1 (KAKASHURA)		42-39-15N 47-27-00E	IV	2		Complete
Hard Launch Site No 2 (GELLI)		42-45-48N 47-28-15E	IV	2	○	Complete
Hard Launch Site No 3 (PARAVU)		42-47-15N 47-23-00E	IV	2		Complete
GOMEL Launch Complex						
Launch Site No 1 (BORKHOV 1)		52-18-15N 30-43-00E	II	4		Complete
Launch Site No 2 (BORKHOV 2)		52-24-45N 30-38-30E	II	4		Complete
GRANOV Launch Complex						
Launch Site No 1 (GRANOV 1)		18-56-15N 29-30-30E	III	4		Complete
Hard Launch Site (GRANOV 2)		18-59-30N 29-29-15E	IV	2		Mid
Hard Launch Site (KALNIK)		18-59-30N 29-22-15E	IV	2		Mid
GRIESK Launch Complex						
Launch Site No 1 (GRIESK 1)		53-11-50N 27-42-15E	I	4		Complete
Launch Site No 2 (GRIESK 2)		53-17-00N 27-41-15E	I	4		Complete
Launch Site No 3 (URCHITYE)		53-11-30N 27-58-30E	II	4		Complete
GROZNYY Launch Complex						
Launch Site No 1 (SUNZHENS-KOYE)		43-08-00N 44-55-00E	I	4		Complete
Launch Site No 2 (NESTEROV-SAYA)		43-12-00N 44-57-00E	I	4		Complete
Launch Site No 3 (ACHIKHOY-MARTIN)		43-10-00N 45-11-00E	IV	2		Complete
GUSEV Launch Complex						
Launch Site No 1 (GUSEV 1)		54-41-30N 22-05-15E	I	4		Complete
Launch Site No 2 (GUSEV 2)		54-41-15N 22-04-15E	I	4		Complete
GVARDEYSK Launch Complex						
Launch Site No 1 (GVARDEYSK 2)		54-40-30N 21-08-00E	I	4		Complete
Launch Site No 2 (GVARDEYSK 1)		54-45-15N 21-09-15E	I	4		Complete
HELGAVA Launch Complex						
Launch Site No 1 (HECAVA 1)		56-35-30N 24-03-45E	II	4		Complete
Launch Site No 2 (HECAVA 2)		56-39-45N 24-08-00E	II	4		Complete
Hard Launch Site (HECAVA 3)		56-33-15N 24-20-00E	IV	2		Complete
JONAVA Launch Complex						
Launch Site No 1 (KARMELEAVA)		54-57-15N 24-06-00E	II	4		Complete
Launch Site No 2 (JONAVA)		55-01-00N 24-14-15E	II	4		Complete
KAMENETS-PODOLSKY Launch Complex						
Launch Site No 1 (KAMENETS-PODOLSKY)		48-51-15N 26-42-30E	II	4		Complete
Launch Site No 2 (DUNAYEVTSY)		48-55-15N 26-59-15E	II	4		Complete
KIVERTSY Launch Complex						
Launch Site No 1 (KIVERTSY 1)		50-59-45N 25-30-45E	I	4		Complete
Launch Site No 2 (KIVERTSY 2)		50-57-00N 25-36-15E	I	4		Complete
Launch Site No 3 (TROSTYANETS)		50-58-30N 25-39-15E	II	4		Complete
KONKOVICHI Launch Complex						
Launch Site No 1 (PETRIKOV)		52-10-30N 28-24-30E	I	4		Complete
Launch Site No 2 (KONKOVICHI)		52-15-30N 28-37-45E	I	4		Complete

25X1D

A0004295

TOP SECRET

TABLE J. (Continued)

LOCATION*	BE NUMBER	COORDINATES	TYPE	NO. OF PADS LAUNCHERS	DATE OF LATEST PHOTOGRAPHY	ESTIMATED CONSTR. STATUS
KOROSTEN Launch Complex						
Launch Site No 1 (KOROSTEN 1)		50-51-45N 28-18-45E	II	4		Complete
Launch Site No 2 (KOROSTEN 2)		50-52-30N 28-30-30E	II	4		Complete
KOZHANOVICH Launch Complex						
Launch Site No 1 (KOZHANOVICH 1)		52-10-30N 27-51-30E	I	4		Complete
Launch Site No 2 (KOZHANOVICH 2)		52-11-45N 27-48-30E	I	4		Complete
KRASKINO Launch Complex						
Launch Site No 1 (KRASKINO)		42-14-00N 130-10-45E	II	4		Complete
KRASNOZAMENSK Launch Complex						
Launch Site No 1 (VIESVILLE)		55-01-30N 22-23-00E	I	4		Complete
Launch Site No 2 (RAGNT)		55-01-30N 22-11-30E	I	4		Complete
KREMOVO LAUNCH COMPLEX						
Launch Site No 1 (PROBABLE) (KREMOVO)				1	4	Complete
Launch Site No 2 (PROBABLE) (LYALICHI)				1	4	Complete
KROLEVETS Launch Complex						
Launch Site No 1 (KROLEVETS 1)		51-36-45N 33-28-45E	III	4		Complete
Launch Site No 2 (KROLEVETS 2)		51-40-45N 33-29-30E	III	4		Complete
Launch Site No 3 (KROLEVETS 3)		51-43-45N 33-13-45E	III	4		Complete
KURGANCHA Launch Complex						
Launch Site No 1 (KURGANCHA 1)		59-37-15N 65-54-00E	I	4		Complete
Launch Site No 2 (KURGANCHA 2)		59-37-30N 65-57-15E	I	4		Complete
Hard Launch Site (TYM)		59-35-15N 65-42-15E	IV	2		Complete
LEBEDIN Launch Complex						
Launch Site No 1 (LEBEDIN 1)		50-33-00N 34-26-00E	III	4		Complete
Launch Site No 2 (LEBEDIN 2)		50-35-45N 34-24-45E	III	4		Complete
Launch Site No 3		50-38-00N 34-27-30E	III	4		Complete
LIDA Launch Complex						
Launch Site No 1 (LIDA 1)		53-47-00N 25-21-30E	I	4		Complete
Launch Site No 2 (LIDA 2)		53-51-00N 25-28-00E	I	4		Complete
LUTSK Launch Complex						
Launch Site No 1 (LUTSK 1)		50-46-45N 25-04-15E	I	4		Complete
Launch Site No 2 (LUTSK 2)		50-50-15N 25-03-00E	I	4		Complete
Hard Launch Site (VLADMIR VOLHYNSKIY)		50-48-30N 24-42-30E	IV	2		Complete
MARINA GORKA Launch Complex						
Launch Site No 1 (MARINA GORKA)		53-26-30N 27-15-45E	II	4		Complete
MAYKOP Launch Complex						
Launch Site No 1 (KURDZHIPSAYA)		44-31-45N 40-00-45E	II	4		Complete
Hard Launch Site (SHIRVANSAYA)		44-25-30N 39-54-00E	IV	2		Complete
MOLOSKOVITSY Launch Complex						
Launch Site No 1 (MOLOSKOVITSY 1)		59-28-45N 29-06-00E	II	4		Complete
Launch Site No 2 (MOLOSKOVITSY 2)		59-29-30N 29-12-30E	II	4		Complete
Hard Launch Site (GURELEV)		59-25-30N 28-52-30E	IV	2		Complete
MUKACHEVO Launch Complex						
Launch Site No 1 (MUKACHEVO 1)		48-19-00N 22-31-00E	I	4		Complete
Launch Site No 2 (MUKACHEVO 2)		48-19-30N 22-37-45E	I	4		Complete
NADVORNAYA Launch Complex						
Launch Site No 1 (PARYSICHE)		48-38-00N 24-12-00E	I	4		Complete
Launch Site No 2 (NOVA VES)		48-39-30N 24-18-15E	I	4		Complete
Hard Launch Site (OTYATYA)		48-47-15N 24-50-15E	IV	2		Complete

25X1D

25X1A

TOP SECRET

TOP SECRET

A00004295

25X1A

TABLE 3. (Continued)

LOCATION*	BE NUMBER	COORDINATES	TYPE	NO. OF PADS LAUNCHERS	DATE OF LATEST PHOTOGRAPHY	ESTIMATED CONST. STATUS
NIGRANDE Launch Complex						
Launch Site No 1 (NIGRANDE)		56-31-00N 22-02-15E	III	4		Complete
Hard Launch Site (SKRUNDÅ)		56-35-45N 21-49-15E	IV	2		Complete
Hard Launch Site (VAINOE)		56-28-30N 21-50-15E	IV	2		Mid
NOVOSYSOYEVKA Launch Complex						
Launch Site No 1 (NOVOSYSOYEVKA)		44-11-30N 133-26-00E	III	4		Complete
Hard Launch Site		44-07-45N 133-27-30E	IV	2		Complete
Hard Launch Site (POSSIBLE)		44-07-45N 133-25-45E	IV			Mid
OSTROG Launch Complex						
Launch Site No 1 (OSTROG 1)		50-14-30N 26-14-00E	I	4	0	Complete
Launch Site No 2 (OSTROG 2)		50-17-15N 26-41-30E	I	4		Complete
OSTROV Launch Complex						
Launch Site No 1 (ASANDVSHCHINA)		57-32-15N 28-12-00E	I	4		Complete
Launch Site No 2 (SHEVELEVPO)		57-37-30N 28-12-15E	I	4		Complete
Hard Launch Site (REDKINO)		57-21-30N 28-26-45E	IV	2		Mid
PAPLAKA Launch Complex						
Launch Site No 1 (PAPLAKA 1)		56-24-00N 21-15-30E	I	4		Complete
Launch Site No 2 (PAPLAKA 2)		56-25-30N 21-15-30E	I	4		Complete
PERVOMAYSK Launch Complex						
Hard Launch Site No 1 (KAMENNY MOST)		47-58-30N 30-53-00E	IV	2		Complete
Hard Launch Site No 2 (SEMENOVKA 1)		47-58-45N 30-59-30E	IV	2		Complete
Hard Launch Site No 3 (SEMENOVKA 2)		47-53-45N 30-57-30E	IV	2		Late
PINSK Launch Complex						
Launch Site No 1 (IVANOVO)		52-10-15N 25-11-00E	I	4		Complete
Launch Site No 2 (MOTOL)		52-12-45N 25-11-45E	I	4		Complete
POLOTS'K Launch Complex						
Launch Site No 1 (POLOTS'K 1)		55-22-45N 28-11-00E	II	4		Complete
Launch Site No 2 (POLOTS'K 2)		55-24-15N 28-33-30E	II	4		Complete
POSTAVY Launch Complex						
Launch Site No 1 (POSTAVY)		55-09-45N 26-54-45E	II	4		Complete
Launch Site No 2 (KOZYAVY)		55-20-30N 26-51-30E	II	4		Complete
Hard Launch Site (POSTAVY 2)		55-06-15N 27-00-15E	IV	2		Late
PRUZHANY Launch Complex						
Launch Site No 1 (PRUZHANY 1)		52-30-30N 21-08-15E	II	4		Complete
Launch Site No 2 (PRUZHANY 2)		52-33-00N 21-07-00E	II	4		Complete
RARKEREI Launch Complex						
Launch Site No 1 (SIBNUA)		59-08-30N 26-26-30E	II	4		Complete
Launch Site No 2 (VAKKE MAARJA)		59-11-30N 26-29-45E	II	4		Complete
RISTI Launch Complex						
Launch Site No 1 (RISTI 1)		59-04-10N 21-03-15E	I	4		Complete
Launch Site No 2 (RISTI 2)		59-06-30N 21-06-30E	I	4		Complete
ROZHDESTVENKA Launch Complex						
Launch Site No 1 (ROZHDESTVENKA)		45-47-15N 133-43-15E	II	4		Complete
RUZHANY Launch Complex						
Launch Site No 1 (KRUPA 1)		52-48-15N 24-42-00E	II	4		Complete
Launch Site No 2 (KRUPA 2)		52-49-30N 24-45-30E	II	4		Complete
SARY OZEK Launch Complex						
Launch Site No 1 (KARA BABAU 1)		44-32-00N 77-16-45E	III	4		Complete
Hard Launch Site 2 (KARA BABAU 2)		44-31-00N 77-58-45E	IV	2		Complete
Hard Launch Site 3 (KARA BABAU 3)		44-31-00N 77-43-00E	IV	2		Late

25X1D

TOP SECRET

TOP SECRET

TOP SECRET

25X1A

25X1D

2

A0004295

TABLE 3. (*Continued*)

LOCATION*	BE NUMBER	COORDINATES	TYPE	NO. OF PADS LAUNCHERS	DATE OF LATEST PHOTOGRAPHY	ESTIMATED CONSTR. STATUS
SATEJKIAI Launch Complex						
Launch Site No 1 (SALANTAI 1)		55-59-45N 21-38-00E	I	4		Complete
Launch Site No 2 (SALANTAI 2)		56-02-15N 21-41-30E	I	4		Complete
Hard Launch Site (ZEMACHU KALVARIJA)		56-01-30N 21-53-30E	IV	2		Complete
SIMFEROPOL Launch Complex						
Launch Site No 1 (MAZANKA 1)		44-54-15N 34-29-00E	I	4		Complete
Launch Site No 2 (BALKI 1)		44-57-15N 34-25-45E	I	4		Complete
SLONIM Launch Complex						
Launch Site No 1 (BYTEN 1)		52-52-30N 25-21-00E	I	4		Complete
Launch Site No 2 (BYTEN 2)		52-55-30N 25-21-30E	I	4		Complete
SMORGON Launch Complex						
Launch Site No 1 (SMORGON 1)		54-31-45N 26-17-30E	III	4		Complete
Launch Site No 2 (SMORGON 3)		54-36-15N 26-23-15E	III	4		Complete
Hard Launch Site (SMORGON 2)		54-26-15N 26-18-15E	IV	2		Complete
SOKAL Launch Complex						
Launch Site No 1 (SOKAL 1)		50-23-00N 24-18-30E	I	4		Complete
Launch Site No 2 (SOKAL 2)		50-27-00N 24-29-45E	I	4		Complete
Hard Launch Site (SOKAL 3)		50-20-15N 24-26-00E	IV	2		Complete
SOVETSK Launch Complex						
Launch Site No 1 (SLAVSK 1)		54-59-15N 21-37-15E	I	4		Complete
Launch Site No 2 (SLAVSK 2)		55-00-00N 21-29-00E	I	4		Complete
SUCHAN Launch Complex						
Launch Site No 1 (NOVITSKOYE)		43-01-45N 133-17-15E	I	4		Complete
Launch Site No 2 (SEVERNYY SUCHAN)		43-10-00N 133-29-00E	I	4		Complete
TAURAGE Launch Complex						
Launch Site No 1 (TAURAGE 3)		55-05-15N 22-19-30E	I	4		Complete
Launch Site No 2 (TAURAGE 1)		55-10-15N 22-20-45E	I	4		Complete
TAYBOLA Launch Complex						
Hard Launch Site No 1 (TAYBOLA 1)		68-28-15N 33-15-15E	IV	2		Complete
Hard Launch Site No 2 (TAYBOLA 2)		68-30-00N 33-23-00E	IV	2		Complete
Hard Launch Site No 3 (TAYBOLA 3)		68-25-15N 33-29-30E	IV	2		Complete
TORVA Launch Complex						
Launch Site No 1 (TORVA 1)		57-56-30N 26-04-30E	I	4		Complete
Launch Site No 2 (TORVA 2)		57-59-15N 26-05-15E	I	4		Complete
Hard Launch Site (TSIRGULINA)		57-49-45N 26-12-15E	IV	2		Complete
UGOLNYY Launch Complex						
Launch Site No 1 (UGOLNYY)		64-46-15N 177-58-00E	II	4		Complete
UKMERGE Launch Complex						
Launch Site No 1 (KEPIHAI)		55-08-00N 24-38-45E	I	4		Complete
Launch Site No 2 (UKMERGE)		55-11-15N 24-42-30E	I	4		Complete
UMAN Launch Complex						
Launch Site No 1 (CHLODETSKOYE)		48-53-45N 30-27-45E	I	4		Complete
Launch Site No 2 (MASKOVKA)		48-57-15N 30-24-00E	I	4		Complete
Hard Launch Site (KISHENTSY)		49-00-15N 30-13-45E	IV	2		Complete
USOVO Launch Complex						
Launch Site No 1 (OVRUCH 1)		51-17-45N 28-16-00E	I	4		Complete
Launch Site No 2 (OVRUCH 2)		51-18-45N 28-10-30E	I	4		Complete
Launch Site No 3 (LIPNIKI)		51-12-00N 28-26-30E	II	4		Complete
UZHGOROD LAUNCH COMPLEX						
Launch Site No 1 (UZHGOROD)		48-33-30N 22-13-30E	II	4		Complete

25X1A

25X1A

25X1D

25X1D

TOP SECRET

A0004295

TABLE I. (Continued)

LOCATION*	BE NUMBER	COORDINATES	TYPE	NO. OF PADS LAUNCHERS	DATE OF LATEST PHOTOGRAPHY	ESTIMATED CONSTR. STATUS
VORU Launch Complex						
Launch Site No 1 (VORU 1)		57-46-00N 26-47-15E	II	4		Complete
Launch Site No 2 (VORU 2)		57-49-15N 26-50-30E	II	4		Complete
VSELYUB Launch Complex						
Launch Site No 1 (VSELYUB 1)		53-46-15N 25-43-00E	I	4		Complete
Launch Site No 2 (VSELYUB 2)		53-48-00N 25-46-45E	I	4		Complete
YELSK Launch Complex						
Launch Site No 1 (YELSK 1)		51-42-00N 29-12-30E	I	4		Complete
Launch Site No 2 (YELSK 2)		51-47-00N 29-18-00E	I	4		Complete
ZAGARE Launch Complex						
Launch Site No 1 (ZAGARE 1)		56-23-15N 23-19-30E	I	4		Complete
Launch Site No 2 (ZAGARE 2)		56-29-00N 23-21-30E	I	4		Complete
Hard Launch Site (LELELEJJA)		56-24-00N 23-36-45E	IV	2		Complete
ZHITOMIR Launch Complex						
Launch Site No 1 (ZHITOMIR 1)		50-01-45N 28-16-15E	II	4		Complete
Launch Site No 2 (ZHITOMIR 2)		50-10-15N 28-16-00E	II	4		Complete
Launch Site No 3 (BERDICHIEV)		50-05-45N 28-32-45E	II	4		Complete
ZHMERINKA Launch Complex						
Launch Site No 1 (GNIVAN)		49-09-15N 28-12-15E	II	4		Complete
Launch Site No 2 (ZHMERINKA)		49-10-30N 28-04-15E	II	4		Complete
Hard Launch Site (VINSITSA)		49-17-30N 28-00-15E	IV	2		Complete
ZHURAVKA Launch Complex						
Launch Site 1		54-36-30N 76-40-45E	III	4		Complete
ZNAMENSK Launch Complex						
Launch Site No 1 (ZNAMENSK 1)		54-33-00N 21-11-15E	I	4		Complete
Launch Site No 2 (ZNAMENSK 2)		54-35-30N 21-08-45E	I	4		Complete

*TDI site designators are indicated in parentheses.

TOP SECRET